

FIRE CHIEF WRIGHT PROUD OF WORK OF DEPARTMENT FOR YEAR

In a report covering the operations of his department for the fiscal year of 1916-1917, presented to City Manager Robert A. Craig yesterday, Fire Chief A. F. Wright points with pride to the accomplishments of the past twelve months. Incidentally he gives in detail many facts and figures heretofore not known to the general public.

The report deals not only with accomplishments for the past twelve months but also presents an inventory of the present equipment and goes into details as to methods and the manner in which the present state of efficiency has been reached. The report, which is interesting in every line, follows in full:

Mr. Robert A. Craig,
City Manager,
Phoenix, Arizona.

Dear Sir:

I respectfully submit the following annual report of the Phoenix Fire Department, for the fiscal year 1916-1917, ending June 30, 1917.

Membership
The total force, twenty-six, and the active force, number twenty-four men. The force consists of one chief, one assistant chief, one secretary, who also acts as a hoseman, three captains, four lieutenants, three engineers, one stoker, ten privates and two call men.

Expense
The expense for the department during the fiscal year was: Salaries, \$23,076.85; general, \$2360.49; equipment, \$33,831.83; total for the year was \$60,269.17. The per capita expense was \$2,316.77 based on an estimated population of 25,000.

Companies and Apparatus
There are two combination hose and chemical companies, one combination squad hose and chemical company, one pump company and one truck company in service in three stations. There are two steamers held in reserve at headquarters, one second size Nott, and one fourth size Ahrens which are drawn by the motor hose company when needed. The two Seagrave combination

chemical and hose wagons are equipped with two 40-gallon chemical tanks and carry 1350 feet of 2 1/2 inch cotton rubber lined hose, and one equipped with the following minor supplies, one 30 ft. trussed extension ladder, one 12-foot roof ladder, shut off nozzles and 3-4 toone and an eight-inch tip, one Pyrene, shovel, hose jacket, life line, axes, plaster hooks, hose straps and 200 feet of 1 inch chemical hose.

Squad, chemical and hose wagon is equipped with the following minor equipment: one 35-foot and one 24-foot extension ladder, one roof cutter, two Garnett smoke helmets, cellar pipe, 1350 feet 2 1/2-inch hose, 200 feet of 1-inch chemical hose, three shut-off nozzles from 3-4 to 1 1/2-inch tips, one flexible play pipe, life line, shovel, crow bar, door opener, Eastman deluge set with five tips from 1 1/2 to 2-inch tips, two three-gallon extinguishers, one Pyrene, hose jacket, hose clamp, hose straps, and one hose hoist.

The American La France combination pump and hose wagon, with a rated capacity of 1000 gallons per minute has the following minor equipment: Two Eastman shut-off nozzles with stands and holders, with one and an eighth inch tip, one and one eighth nozzle of the same size, three sets of double male and double female couplings, two-way Siamese couplings, one 20-foot extension ladder, one 12-foot roof ladder, 10 feet of 4-inch soft suction hose, 14 feet of 6-inch soft suction hose, one door opener, crow bar, two 2 1/2 gallon extinguishers, two Pyrenes, 1350 feet of 2 1/2-inch hose, 20 feet hard rubber suction hose (6-inch), couplings and reducers for relaying the engine, axes and life line.

The service truck is equipped with the following minor equipment: Salvage blankets, axes, brooms, 150 feet rope, two pomper ladders, two pomper life line belts with hatches attached, one 35-foot extension ladder, one 45-foot extension ladder and one 20-foot straight ladder.

The chief of the fire department is provided with a four-passenger Hupmobile touring car, equipped with two 3-gallon extinguishers, one hand search light.

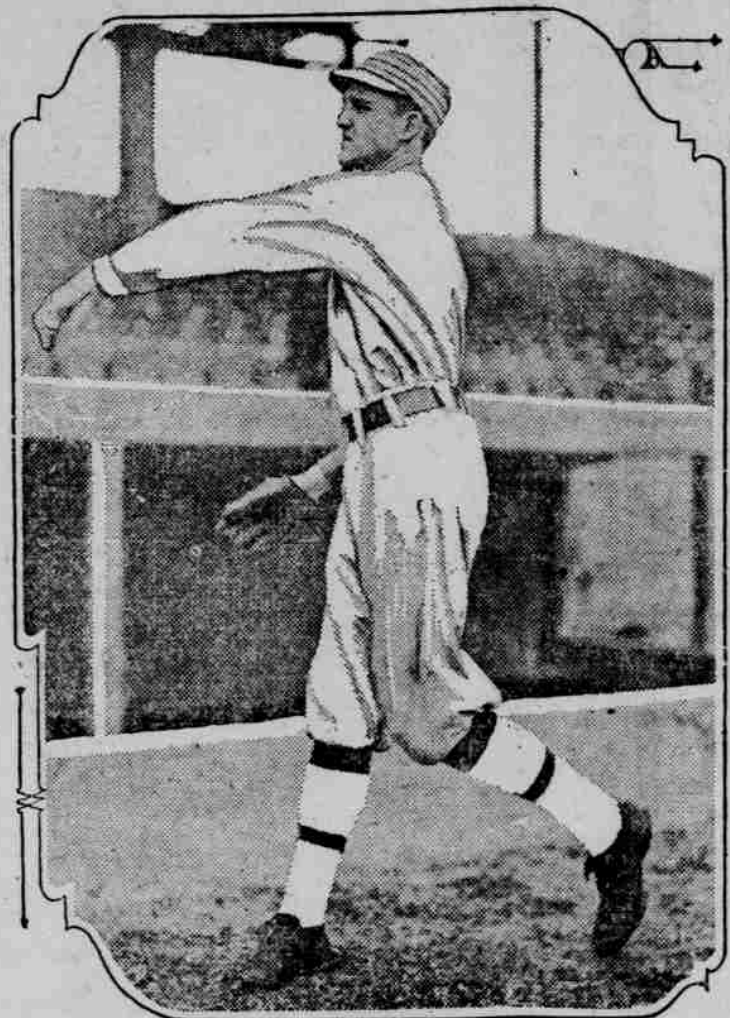
Nearly all the men are trained to operate the motor trucks; they are also drilled three times a week in the handling of the equipment and tools, also in removing injured or unconscious persons from buildings.

The men are given one day off in seven and two weeks vacation every year with pay.

Hose
There is 6650 feet of 2 1/2-inch hose in service, the hose is double jacket, or two ply woven cotton and rubber lined. Purchased by the city manager on competitive bids. Hose is washed and dried in the tower and the spare hose is left hanging in the tower or piled on racks.

Fire Methods
We estimate that about 19 per cent of the fires of the last year were extinguished with chemicals. Chemicals are used whenever practical and an attempt is made to keep water damage low. Wherever smoke or fire is seen a line of hose is laid to back up the

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Herb Pennock.

Herb Pennock, bought by the Boston Red Sox from Connie Mack a few seasons ago, is winning games for the team in Ruth's absence and pitching a class of ball he never showed before. Jack Barry declares that Pennock has been "made over." Pennock has put quite a lot of weight on his lanky frame and has perfected his control.

chemicals. Hydrant streams are laid and used whenever water is required; engines are seldom used. For fires inside requiring water an adjustable 1 1/2-inch shut off nozzle is used, for other fires 1 1/2 to 2-inch nozzle is used. In residential districts where the pressure is lower small tips are used, stand pipes are used to good advantage. Hose is carried up stairways and hoisted to the roof by ropes. At serious fires wagons are sent back to reload with hose and return to the fire. The department brushes out water and clean up after fires and cover up contents with blankets. Whenever conditions warrant a man is left to watch for the re-kindling of the fire.

Improvements
The department has been greatly improved by the installing of a city service truck made by the members of the department. See companies and apparatus for the minor equipment carried.

Fire Alarm System
The fire alarm system is under the supervision of the chief and is maintained by the fire alarm electrician, P. S. Tadlock. The system is six circuit for boxes, and two independent gong circuits, of the latest improved Gamewell manufacture, an eight-circuit storage battery charging switch board; a six-circuit automatic repeater, duplicate set of storage battery, duplicate generator sets for charging purposes, an automatic charging time clock. There are one hundred and four street signal boxes, fifteen of which are under ground pedestals. Fifteen are of the sector pull type, twenty-nine are successive Star boxes and remainder are of the successive Gamewell type. This system has been entirely rebuilt in the last year, the wires placed under ground in the business district, and twenty-four miles of new lines have been constructed. On the apparatus floor at headquarters are located gongs, punch register, time stamp with take up reel for the receiving of alarms, automatic lighting switch, a clock which automatically transmits three taps at 8 p. m. daily, and a break wheel transmitter box which is used to send out telephone calls. The out side houses are equipped with gongs, punch registers and time lighting switches. There are also two trunk lines from the telephone exchange to the department headquarters, one trunk line being connected with all three houses which ring simultaneously in all three houses. Gongs are installed in the police station, daily paper offices, Pacific Gas and Electric

company, water works and telephone exchange.

Fire Losses and Insurance
There were 125 alarms during the year, 74 were telephone, 11 were still, 50 were boxes, 17 were false alarms, 4 score, 114 actual fires, which entailed a loss of \$11,486.95. The total amount of insurance involved \$404,100. The total amount of property involved \$534,825. The loss per capita, \$4.418.

Extra Duties Performed
Company drills, 145. Squad No. 1, 38; No. 2, 26; No. 3, 29; auto pump, 32. Steamers tested, Ahrens, Fox, 7; Nott, 7.

Hose laid during the year, 38,250 feet. Chemicals used, 469 gallons. Pyrene used, 6.

Buildings inspected, 488. Permits to burn, 123. Permits to burn denied, 113. Placing storage tanks, 2. Hydrants tested, 117. Ordered to clean up, 145. Pump out sewers, auto pump 3, steamers 6.

Alarm boxes painted, 104. Outside help given, 1. Hose tested, 2000 feet. Ladder used, 68 feet. Hydrants painted, 348.

Recommendations
A 65-foot aerial truck, with complete equipment, Lungmotor, Drager helmet, etc. That two three-way deluge sets be purchased and carried on the hose wagon. Those are necessary that we may be prepared to fight large fires where large volume of water is required. That the city consider the installation of the two platoon in the fire department, that the department be strengthened by the addition of six more men to be distributed on the several trucks and thus bring the department up to the required strength to properly handle the apparatus. The addition of these men would also permit a much wider scope in fire prevention work which we are unable to do at present. That 1500 feet of 2 1/2-inch rubber lined fire hose be purchased, the same to be placed in service in an extra hose wagon to be stationed in reserve at headquarters, ready for instantaneous use in case of a big fire; the city has the wagon, all that is necessary is to procure the hose. That provision be made for an increase in the salary of the men commensurate with the rise in prices of living expenses.

In conclusion will state that the past year (as our records show) has been a splendid success both as to losses and the number of fires which have occurred. This shows two things of in-

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terest, first that the citizens have been more careful than in previous years in preventing fires, and second, the fire department has been prompt and efficient in extinguishing fires. There were several dangerous fires in the mercantile district all of which were handled with small property loss.

We also desire to express our sincere thanks to the city manager, the

city commission and the citizens for their assistance to us in our work.

Respectfully submitted,

A. F. WRIGHT,

Chief Engineer, Phoenix Fire Dept.

INTERNEED DURING WAR

DOUGLAS, Sept. 22.—Charles W. Roggenbusch, arrested here September 22 as a German spy, was ordered to

day by department of justice officials interned for the period of the war. He was taken into custody while distributing alleged diaries of French soldiers in which the ruthlessness of German fighting methods was emphasized. Papers taken from the person of Roggenbusch indicated that he had served in the French army during the present war.

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